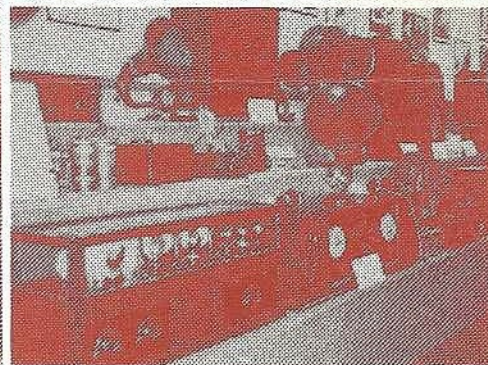
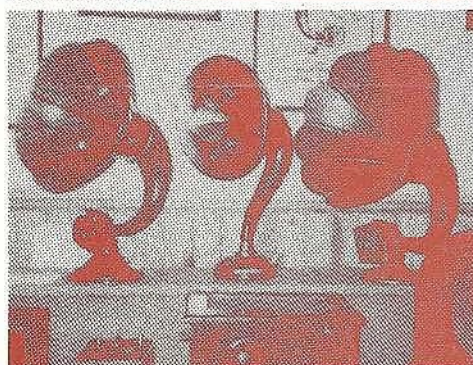
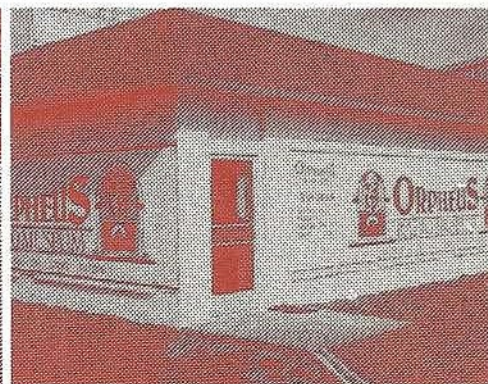
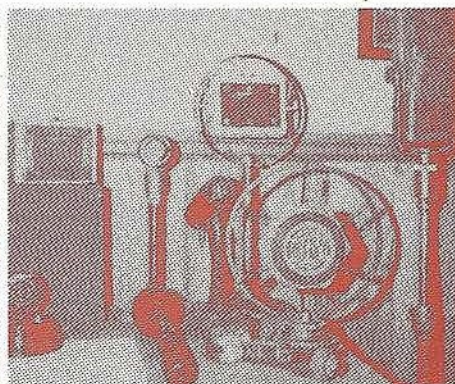


91/03 01



B.A.R.G. NEWS

MARCH-1991.



© Monthly Newsletter of the
Ballarat Amateur Radio Group

9/1/03 02

BALLARAT AMATEUR RADIO GROUP INCORPORATED

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Imm. Past President:	GORDON CORNELL	VK3KGC	392427	391135
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	TOM GEORGE	VK3TOM	355662	327234
	GEOFF SMITH	VK3ADB	332112	321719
Technical Committee:	MERV HOOLEY	VK3KAW		311317
	IAN McDONALD	VK3AXH		311317
	DICK FORRESTER	VK3VU	357663	391001
	DAVID McCONNELL	VK3YNB		
Newsletter Editors:	BOB TERRILL	VK3BNC	395317	391001
	HARRY HEKKEMA	VK3KGL	357563	391001

Repeaters: VK3RBA - 146.750 Voice. Mt. Buninyong (ch. 3)
 VK3RBS - 146.900 Voice. Smeaton Hill (ch. 6)
 VK3RPC - 147.575 Packet. Mt. Warrenheip

Club Net: ON 3.5610 Mhz. SSB +/- QRM
 Every Thursday at 8 p.m.

B.A.R.G. meets on the LAST FRIDAY in every month except December at the Ballarat Education Centre, Hopetoun St., Ballarat at 7.30 p.m.

Committee meetings are held at the Education Centre on the Wednesday two weeks prior to the Club meeting at 7.30 p.m. Executive committee members are expected to attend and any club member with business for discussion is welcome.

All correspondence to: The Secretary, BARG Inc., P.O. Box 216E, Ballarat East, 3350.

Applications for Awards to: Maurie Batt, RSD, Rokewood Junction, 3351.



CNR. RING RD. & WESTERN HWY BALLARAT
 (OPEN 10AM - 5 PM 7 DAYS A WEEK)

FEATURES

- GRAMOPHONES • VINTAGE RADIOS • VISITORS PARTICIPATION
- MEMORABILIA • AUDIO DISPLAYS • DEMONSTRATIONS • CRYSTAL SETS

The "Orpheus Radio Museum" is operated by Richard and Sonja Wilson.
 The collection includes their private collection, the 3BA collection and other items on loan to the museum.
 The museum is run with the idea of preserving the history of radio in Australia and making it accessible to the public.
 If anyone has any information or items of interest to the museum, would they please contact, or write to, the "Orpheus Radio Museum" RSD B98, Ballarat 3352. Telephone (053) 34 2513.
 Let the public enjoy your piece of Radio History.

9/03 03

Its with great delight that I am able to announce the success of some of our mambers at the recent amateur exams. No doubt you have heard Mary VK3FMC, Tom VK3DMK, Gavin VK3TLJ and John from Avoca VK3MGI on the air with their new calls.

I am also pleased to see Dick VK3LDC is on the mend after spending a couple of weeks in hospital having a " bionic Knee " installed. It appears that the club display at the Begonia Festival was a great success and I have already received calls from a number of people seeking further information on how to become an amateur. (see Charlies report further in the mag) By the time you read this note we will have attended the car rally organised by Gordon VK3KGC and the John Moyle field day. Thanks to George VK3DOK, Geoff VK3ADB, Harry VK3KGL and many others together with Reg's VK3CAZ property near Lal Lal for the organisation to make this event a success. Lets hope the weather was kind to us this time.

73's VK3AXH

C L U B - C O R N E R

Dont forget the club holds two regular events to allow members and friends to participate in the enjoyment of amateur radio.

Each Monday evening starting at the Education Centre in Hopetoun St at around 7-30pm a Fox Hunt takes place. This is a fun activity where a hidden transmitter is tracked down by mad drivers and antenna wielding people hanging out of car windows. The equipment required is a 2mx receiver and a simple beam. Further down the track the 80mx Fox Hunts will begin.

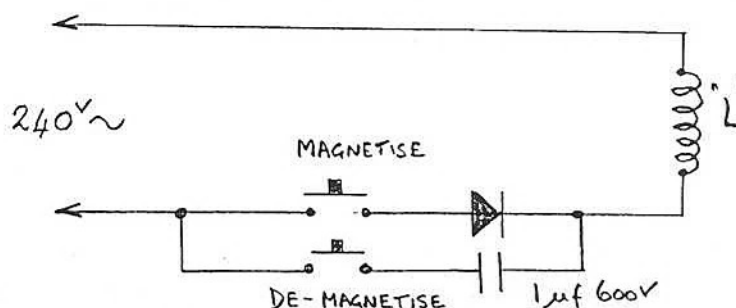
Each Sunday evening at 7-45pm begin listening for instructions on Ch3 FM to take part in the 2mx scramble which actually begins at 7-50pm and ends at 8-00pm between frequencies 146.425 and 146.600Mhz. Why not join in the fun of local dogpiles to get that elusive point.

Keep a lookout in this column for coming events such as the barbecue lunch at Burrembeet and our planned night out for dinner and the flicks (Hows it going Bud ???)

Well thats all for this month.....73's VK3AXH

SIMPLE DE-MAGNETISER OR MAGNETISER.

A handy device for around the shack for magnetising a screwdriver to get those little nuts and bolts into those awkward places. Put screwdriver in centre of core and make a couple of slow thrusts in and out with either button depressed to magnetise or de-magnetise as required.



L = Primary winding from an old power transformer or an old speaker field coil etc.

2 Press button switches.

1 1uF 600 volt capacitor.

1 1N4007 Power diode.

De Kelly Hellyer.

91/03 04

MINUTES OF GENERAL MEETING HELD 22nd FEBRUARY 1991.

MEETING OPENED by President Ian AXH at 8.00pm. There were 32 members in attendance including aspiring amateurs Debby, Ken, David and Kelly.

APOLOGIES VK3 DS, DET, KAY, VU, AEX, YMW, WN, TI, TOP, IBM.

MINUTES of previous meeting as circulated were confirmed. CAZ/KG.

CORRESPONDENCE IN Geelong ARC Newsletter.

CORRESPONDENCE OUT WIA Western Zone re repeaters.
WIA Vic Division requesting publicity material.
Ballarat Courier re participation in Begonia Fun Run.

TREASURERS REPORT General a/c \$229.25. VS&L \$2424.15.
Accounts for \$35.00 passed for payment. KGL/KGC.

QSL BUREAU No cards in or out last month.

CLUB NET Charley DCS would like more support. Numbers are down.

NEWSLETTER Material for publication is still needed.

TECHNICAL the 432mhz Beacon has had temporary repairs.

WICEN. Operators required for Fun Run and Begonia Car Rally.

AWARDS Maury XEX had applications for 1 Western District. 1 DX widows.
he also presented \$50.00 profit from awards to Club.

EDUCATION 9 candidates sat the February exams and 10 students are taking the NAOCP course.

GENERAL BUSINESS. A picnic will be held on 14th April at Burrumbete racecourse.
It is proposed to have a dinner and picture night in May.

Moved KGC seconded DCS that Badges be ordered for XYLS that take part in Club activities. carried.

MEMBERS ARE REMINDED that a scramble is held on sunday nights at 7.40pm
on 2mtrs. Listen to RBA for details and get involved.

Fox hunts are held on Monday evenings at 7.30pm
starting from education centre car park.

MEETING CLOSED at 9.15pm.

73s Jim CFB.

#####

NEXT BARG MEETING March 22nd at Education Centre 7.30pm.

PLEASE NOTE CHANGE OF MEETING DATE.

REPEATERS: VK3RBA - 146.750 Voice. Mt. Buninyong (ch.3)

VK3RBS - 146.900 Voice. Smeaton Hill (ch.6)

VK3RPC - 147.575 Packet. Mt. Warrenheip.

CLUB NET: ON 3.610 Mhz SSB +/- QRM.

Every Thursday at 8PM.

MEETINGS: Held every last Friday of
month at 7.30PM. in the

Ballarat Community Education Centre

Hopetoun St.

Ballarat

9/03 04

COURIER CLASSIC 1991

On Sunday 3 March 91 the Courier Classic was conducted on the course around Ballarat and once again BARG provided the radio communications for the event.

Those taking part were George VK3DOK, Fred 3KQF, Cliff 3CCB, Reg 3CAZ Geoff 3PAP Tom 3TOM & Gordon 3KGC.

The morning started well, with everyone coming up on Ch 3 and going to their respective stations.

"Murphy" struck 10 minutes before the event was due to start. by some other Amateur or a member of the family apparently sitting on the microphone in a car somewhere. this locked up the repeater till well into the event. Fortunately all operators when they realized what had happened, switched to 146.500 and so we were back in business.

The event started at 0800K hrs with KGC in the front car following the male runners & PAP following the female runners. This enabled the position of the leaders & times to be broadcast at the start/finish line as the runners passed the various check points while the static operators gave fuller reports with greater depth of runners as the field spread out.

Early in the race there were a few admin problems with drinks not being at the correct checkpoints, but our operators got the messages back to the controller & all was fixed.

George DOK was stationed by the central PA point thus the placings were quickly relayed to the Public. He also became the Net Controller as almost all information was relevant to his position. While the runners were in the Narrina area, the hand helds lost comms. for a short time so Cliff acted as a relay for this time. Tom acted as a "tail end charlie" or "sweeper" to keep contact with the tailenders & so did not finish till after 1000K hrs. which was during the Presentations & were so acknowledged.

I think that run of the event must go to the young 8 year old whose parents became concerned because they could not find him, after he should have returned. It appears that he started in the Fun Run around the lake but a wrong turn and got caught in the main event and completed the whole 16 Km distance.

After all was over we were thanked by Les Holloway, the main organizer, who said that this year, more than any previous year our assistance was vital.

I thank all the operators who attended on the day and hope that you will be available for next year.

Gordon VK3KGC

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2mx FM Solid State 25 watt 6 Chan tx/rx. include Ch2,3,8,40 \$60
2mx Solid State SSB transverter. up to 5 watts in for 25 watts
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RF sensing or push to talk as required. \$100 contact VK3AXH

91/03 06

DXNEWS

ETHIOPIA, ET. ET2A, JACK, IS ACTIVE DAILY ON 21300 KHZ AROUND 1830 UTC OPERATING BOTH NET AND SPLIT OPERATIONS. ALSO, CHECK 28580 AND 28600 KHZ AROUND 1900 UTC. BOTH JACK AND SECOND OPERATOR, SCOTT, ARE AMERICANS WORKING WITH THE RED CROSS IN ETHIOPIA. QSL VIA PETER, WB2WOW.

BANGLADESH, S2. VK9NS, JIM SMITH SHOULD BE EN ROUTE TO DHAKA SHORTLY. HE HAS PERMISSION FOR CW, SSB AND RTTY AND EXPECTS TO OPERATE FOR TWO WEEKS AFTER ARRIVING LATE ON MARCH 10TH. HIS CALL SIGN WILL BE EITHER S21U OR HIS REQUESTED CALL OF S21JS. QSL VIA VK9NS.

CAMEROON, TJ. TJ1BJ IS NOW ACTIVE ON 75 METERS ON SATURDAY AROUND 0500 UTC. CHECK FOR SPLIT OPERATION ON 3675 KHZ AND 3795 KHZ. ALSO, ON SATURDAYS AND MONDAYS, LOOK FOR HIM AROUND 1230 UTC ON 21303 KHZ. QSL VIA K4UTE.

CYPRUS, BRITISH SOVERIGN BASES, ZC4. GLYNN, G4MVA IS NOW STATIONED HERE FOR THE NEXT TWO YEARS. HE WIL SIGN ZC4CZ ON ALL BANDS WITH EMPHASIS ON CW.

Lifted from Packet BBS...Tom VK3DMK.

THE NEXT AMATEUR SHUTTLE MISSION

In a packet mail exchange between U2MIR and W5RRR recently, Musa was asked if he would still be on board during the STS-37 mission in April. Musa replied he will be on Mir until May 20, 1991. This means there is another opportunity for a space to space contact between Mir and the Shuttle using amateur radio.

The exact launch time and exact orbit of Mir will determine when the contact can take place, a few minute difference in the launch time could leave the Shuttle with no conjunction during the 5 day flight. It will not be known until after launch if and when the conjunctions will occur.

SAREX experimenters report that testing of the flight hardware on board the orbiter went well last week. The 2m (144-145Mhz) packet, slow-scan and voice equipment were checked out, as well as the 70cm FSTV receiver and miniature TV/VCR and Camera that will be carried as part of the experiment. The only glitch was the failure of a piece of ground test equipment, the FSTV transmitter modulator failed. This prevented complete verification of the FSTV receiver while in the orbiter. An unmodulated carrier was received and the FSTV receiver has been thoroughly tested at JSC, so on problems are expected.

Unfortunately, due to Shuttle hardware problems, the Shuttle is now grounded for at least four months, effectively eliminating the possibility of a Shuttle <=> Mir Amateur Radio contact.

Lifted from Packet Radio BBS...Tom VK3DMK.

91/03 07

FLOWER FESTIVAL AND RADIO

At the February meeting it was decided to put on a display of Amateur Radio at the Begonia Festival. After some organizing the site and power were arranged by Doug VK3KAY.

A large tent was borrowed from the local scout group and erected by Jeff VK3PAP and Ken VK3IBM on Friday 8th and the B.A.R.G Banner stretched across the front.

SATURDAY 9th

Sat. morning it was raining, we pressed on and set up a H.F Station consisting of a FT101B plus tuner and S.W.R Meter with a 20M dipole, very basic. Tom VK3DMK set up the Packet Station on loan from VK3KAY. The station consisted of a Commodore C64 plus Drive, B&W TV, Commodore 1901 Monitor and D.S.E Commander-all very BASIC.

The purpose of the cheap equipment was to show people they do not need BIG MONEY to be involved in Amateur Radio.

All set to go by 10.30am. Still raining then a power failure, the festival electrician soon had this under control, except that the mains power floated between 190 and 230 volts. By midday the rain had stopped and people started to come in.

VIC TV moved an O.B. unit near our site and I questioned the crew and was told it would be OK to Tx, however my first attempt bought a quick response from VIC TV tech's, so we held off TXing until after they moved off. The crowd grew and so we had a continuous stream of people all afternoon and did not close up until 8pm.

SUNDAY 10th

Weather fine and mild. We were set up again by 10am and had very little time to ourselves with at times 15 to 20 people in the tent. The crowd started to thinout about 5pm so we packed up at 6pm.

MONDAY 11th

Monday was fine with a cold wind, but like Sunday the crowd soon built up and we had little spare time. Being the last day of a long weekend the crowd thinned early so we packed up at about 5pm.

I estimate that we had well over 200 people through the display. Pamphlets were handed out selectively and interested people referred to their local club.

Because of this I expect to see some vistors to our next club meeting.

I wish to thank the following members for their TIME AND EFFORTS VK3DMK, VK3JAT, VK3KAY, VK3AAI, VK3PAP, VK3IBM, VK3FMC, VK3LDC, VK3DOK, VK3KGC, VK3KG, and VK3TLJ.

I would also like to thank Mr Barry Wilkins who made available the site and the scouts for the loan of the tent, also VK3IBM and VK3JAV for the use of their Packet BBS's.

Well Done Folks
VK3DCS Charlie

9/13 08

MESSAGE OF THANKS.

I wish to heartily thank every person for their enormous assistance and friendship towards my late husband Timothy, VK3DIR. During his "Amateur career " Tim made lots of wonderful friends some of which I also got to know. Tim enjoyed his hobby of amateur radio immensely.

May I thank you one and all very sincerely. Marshia Palmer.

Minutes of General Meeting held at Lake Bolac Hotel on Saturday
December 1 1990.

The Meeting was opened at 1405 hours by President Ken KAV with eight in attendance.

Apologies were received from VSX, DTO, AGD, AEU, BFF, KIT, BARG, XEX.

Those present were NBV, KAV, NVR, CDX, YLV, KZZ, ZGT, KJH.

Minutes were read and received on the motions of KZZ and NVR and Carried.

Finances shows a credit of \$464.84.

Repeater Report. KZZ Mark reported RWU is deaf, a pre-amp has been made has yet to be fitted. RWZ still going pretty well. RPG going well, there is a plan under way to link all Victorian Packet repeaters. Replacement RWZ MT William Repeater we now have found needs to be built not as previously being told was ready to go almost. This is in the hands of Mark KZZ.

General Business. Again from Mark KZZ, Apparently we could site a repeater on top of a Grain Elevators Board Silo at Tarranginnie near Nhill for a very small annual charge. This site would cover the Western Highway from Horsham to the South Australian Border.

Moved KZZ we contact BARG to suggest a change of frequency to the Smeaton Hill Repeater, because of its interaction with Mt Gambier. Also, have they thought of shifting this repeater to Mt Ben Nevis. Seconded CDX Carried.

Lengthy discussions then took place as regards the viability of the Western Zone in todays WIA. We don't appear we will receive any monies at all from WIA memberships. Moved Jim KJH, The Secretary write to the Victorian Division requesting clarification of the operation of Zones. If they are going to dump Zone structures, please tell us how they are going to support members. Seconded CDX and carried.

The meeting then closed at 1554 hours.

91/03 09

1st March 1991

AMSAT-OSCAR-21 (AO-21) Informs The World Its;
"Circuits Are Operational"

This past week radio amateurs around the world heard the voice of the recently launched AO-21. The voice message, coming from the AO-21 downlink frequency of 145.983 MHz spoke the following words: "I'm completely operational and my circuits are functioning perfectly." This voice mode is referred to as Mode 8 among the AMSAT-DL and AMSAT-U-ORBITA groups responsible for AO-21's design and assembly. At this time it is not known how often Mode 8 will be in operation on AO-21.

Also, engineering checkout is still ongoing and it could be some time before the operational schedule for AO-21 is known. Users should monitor the downlink of 145.983 MHz to see which mode AO-21 is currently operating. As soon as a schedule is available from AMSAT-DL, it will be published immediately in the AMSAT News Service (ANS) bulletins and announced on all AMSAT HF and VHF nets.

Lifted from Packet BBDS..Tom VK3DMK

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ARGONAUT 509 HF QRP Tcwr. 80-40m, c/w mic, hdbk & PSU. GC. \$300.00.
Homebrew Linear for Argonaut, 10-30W. Single 6146 in passive grid.
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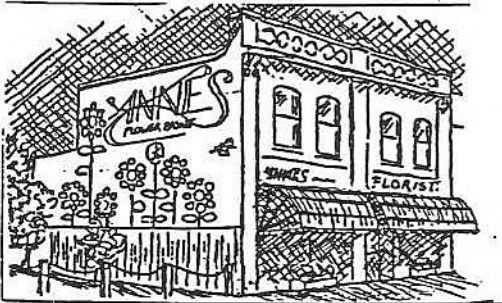
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